## STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

#### SECTION COUNTY COOK 916 553 STA. 190+65 (NB 1-57) STA. 1990+48 (NB FORD)TO STA. 2316+00 (NB RYAN FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

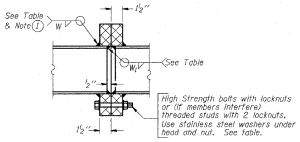
62304

\* (1516.1, 1717, & 1818) R-4

### TRUSS UNIT TABLE

2 units

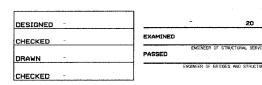
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Structure		Design	Exte	erior Units	(2)		Interio	or Unit			& Lower		zontals; Vertical,	Camber		Splicin	g Flang	je ·			
Number	Station	Truss Type	No. Panels per Unit	Unit Lgth.(L <sub>e</sub> )	Panel Lgth.(P)		No. Panels per Unit	Unit Lgth.(L <sub>1</sub> )	Panel Lgth.(P)	0.D.	nord Wall	Horizontal, and 1	Interior Diagonals Wall	Midspan	Botts No./Splice Dia.	Weld	Sizes   W <sub>1</sub>	A	В		
1S0161057R357.7	215+44	I-A	6	31'-412"		1	6	30'-9"	4'-11"	5½"	5/6"	21/2"	5 <sub>16</sub> "	2.85"	6 7 <sub>8"</sub>	3,"	14"	914"	1214"		B♣Drill 6 ho
IS016I057R357.9	227+29	II-A	7	38'-94"	5'-314"	1	6	32'-10'2"	5'-34"	62"	5/6"	3"	5 <sub>16</sub> "	3.57"	6 1"	3,"	4"	11"	1412"		1/6" large
S0161094R062.8	2204+66	I-A	7	34'-3"	4'-72"	1	6	29'-0"	4'-72"	5½"	516"	21/2"	<sup>5</sup> /6 "	3.04"	6 78"	3 <sub>8</sub> "	4"	94"	124"	2/18/06	bolt diam
S016I094R062.2	2242+70	II-A	. 7	39'-11'4"	5'-514"	1	6	33'-10'2"	5'-54"	7"	5/6"	3"	<sup>5</sup> /6 "	3.85"	6 1"	38"	4"	11'2"	15"	Fabrication Only	
S016I094R061.7	2264+34	II-A	7	37'-9"	5'-12"	1	6	32'-0"	5'-1'2"	62"	<sup>5</sup> /6 "	3"	<sup>5</sup> /6 "	3.40"	6 1"	38"	4"	11"	14/2"	in Contract 62694	
S016I094R061.3	2282+42	III-A	7	39'-114"	5'- 54"	1	6	33'-10'2"	5'- 54"	7"	<sup>5</sup> 16 "	34"	<sup>5</sup> /6 "	2.87"	6 1"	716"	516"	1112"	15"	9	
IS0161094R061.2	2290+90	II-A	. 7	39'-212"		1	6	33'-3"	5'-4"	62"	516"	3"	<sup>5</sup> /6 "	3.63"	6 1"	38"	4"	11"	1412"	1 / /	
IS016I094R060 <b>.</b> 2	2344+44	II-A	8	39'-0'2"	4'-734"	1	8	38′-5"	4'-734"	7"	<sup>5</sup> /6 "	3"	<sup>5</sup> /6"	3.91"	6 1"	38"	4"	1112"	15"	1 1	•
IS061094R067.3	119th St/BFDMS	III-A	7	38'-9'4"	5'-3'4"			<u> </u>	<u> </u>	7"	5/6"	314"	5/6"	-	6 ]"	16"	5/6"	1112 "	15"	——[2] ——Additional DMS	
				<del> </del>																location	0 0
								<u> </u>													*Flange I.D.
			11.11													Splicing	Flang	7-6			A



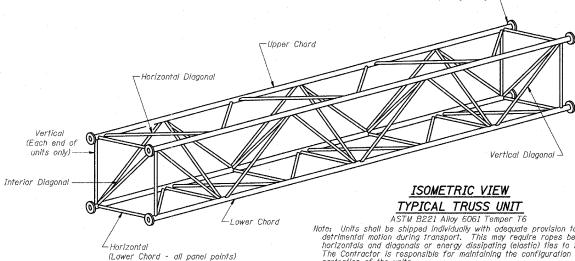
# SECTION B-B

① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.

NUMBER	REVISION	DATE
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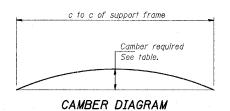


0S4-A-2



ASTM B221 Alloy 6061 Temper T6

Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and contractor of the units. protection of the units.



(Upper Chord - each end of each unit only)

Camber curve shown is theoretical. Actual camber attained by slope changes at splices between units.

3 units

#### CAMBER\_ATTAINMENT EXAMPLES: camb<u>er at</u> 2/3 camber 2/3 camber midspan midspan at midspan at midspan

Camber shown is for fabrication only, measured with truss fully supported. (No-load condition)

# INCLUDED FOR INFORMATION ONLY. SHEET ORIGINALLY IN CONTRACT 62694.

4 units

REVISIO	ONS .
NAME	DATE
REVISION	02/18/06
REVISION 2	09/29/05

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.I. 94 (DAN RYAN EXPRESSWAY)

OVERHEAD SIGN STRUCTURES ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A

SCALE: AS NOTED 05/06/05 DATE: MARCH 18, 2005

DRAWN BY: AMB CHECKED BY: TB

TYLININTERNATIONAL

\*Flange I.D. Bolt Circle  $\phi$  = A Flange O.D. = B

# TRUSS TYPES II-A & III-A

## SPLICING FLANGES

TRUSS TYPES I-A, II-A, & III-A

Drill 8 holes

boit diameter.

16" larger than

ASTM B221, Alloy 6061-T6 or ASTM B209, Alloy 6061-T651 \*To fit O.D. of Chord with maximum gap of 16".